

App. No. 10/061,170  
Amendment dated August 31, 2005  
Reply to Office Action of June 17, 2005

### REMARKS

Claims 1-18 and 20-24 were pending in this application before submission of this paper. Claims 1-3, 5-8, 10-16, 20 and 22-24 have been amended. Claims 9 and 21 are cancelled. No new matter has been added. Claims 1-8, 10-18, 20, and 22-24 are currently pending. In view of the amendments and the following remarks, reconsideration and allowance of all pending claims are respectfully requested.

### Claim Objections

Claims 1, 13, 20 and 23 were objected to because each claim included limitations that contained insufficient antecedent basis. Claims 1, 13 and 20 have been amended to include "a minimum number of characters", "a corresponding contact in the candidate set of contacts", and "a probability". Claim 23 has been amended to include "the corresponding at least one data field". Since sufficient antecedent basis has been established for these limitations, the objection to the claims is overcome.

### Claim Rejections under 35 U.S.C. § 112

Claims 1, 8, 13 and 20 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The Office Action states that the terms "weight" and "the match" are not clearly defined. Claims 1, 8, 13 and 20 have been amended to include "an ambiguity weight factor." Claims 1, 13 and 20 have been further amended to remove any reference to a match. Thus, Applicants submit that the rejection of Claims 1, 8, 13 and 20 under 35 U.S.C. 112, second paragraph, is overcome.

Claim 9 was also rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 9 has been cancelled. Thus, Applicants submit that the rejection of Claim 9 under 35 U.S.C. 112, second paragraph, is overcome.

Claims 1, 13 and 20 are further rejected under 35 U.S.C. 112, first paragraph, for containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make

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and/or use the invention. The Office Action states that the phrase "passing...the weight to a user display" is not disclosed by the specification. Applicants respectfully disagree.

Referring to page 10, beginning on line 22, "the call-related information passed to the display may include a probability that the caller is a matched contact. In addition, the display may show two matched contacts, along with corresponding probabilities for both matched contacts. The probabilities reflect the likelihood of the two matched contacts being the actual caller. In another embodiment, the probabilities of any matched contacts may be indicated on the display using a visual indicator (e.g., different color, by order)." This passage provides support for the "passing...the ambiguity weight factor to a user display" limitation (as amended) recited in Claims 1, 13 and 20. Thus, Applicants submit that the rejection of Claims 1, 13 and 20 under 35 U.S.C. 112, first paragraph, is overcome.

#### **Claim Rejections under 35 U.S.C. § 103**

Claims 1-2, 9-14, 20 and 22 stand rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,512,819 issued to *Sato*, in view of U.S. Patent No. 4,811,407 issued to *Blokker*. Claim 3 stands rejected under 35 U.S.C. 103(a) as being unpatentable over *Sato*, in view of *Blokker*, and further in view of Japanese Patent No. 02000253373 issued to *Ito*. Claim 4 stands rejected under 35 U.S.C. 103(a) as being unpatentable over *Sato*, in view of *Blokker*, and further in view of U.S. Patent No. 6,421,672 issued to *McAllister*. Claims 5-8, 15-18, 23 and 24 stand rejected under 35 U.S.C. 103(a) as being unpatentable over *Sato*, in view of *Blokker*, and further in view of U.S. Patent No. 5,485,373 issued to *Davis*. Claim 21 stands rejected under 35 U.S.C. 103(a) as being unpatentable over *Sato*, in view of *Blokker*, and further in view of U.S. Patent No. 6,397,078 issued to *Kim*.

Claim 1, as amended, recites in part, "retrieving the call ID related to a calling party of a phone call; determining a candidate set of contacts from a contact information database based on the call ID, wherein: the candidate set of contacts comprises contacts that correspond to the call ID according to a criteria, and the criteria identifies a minimum number of characters in the call ID that are used to identify a corresponding contact in the candidate set of contacts; identifying at least one contact that corresponds to the call ID by comparing the minimum number of characters in the call ID to at least one data field of each contact in the

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candidate set of contacts; identifying call-related contact information associated with each identified contact; calculating an ambiguity weight factor for each identified contact based on information associated with each identified contact, wherein: the ambiguity weight factor identifies a probability that the identified contact corresponds to the call ID, and the information comprises at least one of: the minimum number of characters in the call ID used to identify the corresponding contact and the type of at least one data field of the identified contact that is compared to the minimum number of characters of the call ID; and passing the call-related contact information and the ambiguity weight factor for each identified contact to a user display on a mobile device."

Neither *Sato*, *Bokker*, nor any combination thereof teach the limitations recited in Applicants' Claim 1. *Sato* teaches "means for extracting identification information indicating the caller when a communication and connection requirement has been received from a caller through the communication means; [and] means for making a comparison between extracted identification information and information registered into the telephone directory database." (col. 1, lines 51-56) *Bokker* teaches "comparing each bit of the stored character binary data with the corresponding bit of selected characters of the reference set...[by] summing the number of mismatches between corresponding bits and determining which of the selected reference set of characters contains the minimum number of mismatches to determine the best match." (col. 12, lines 11-18)

Neither *Sato*, *Bokker*, nor any combination thereof anticipates or makes obvious Applicants' Claim 1. Specifically, neither *Sato*, *Bokker*, nor any combination thereof teach, "calculating an ambiguity weight factor for each identified contact based on information associated with each identified contact, wherein: the ambiguity weight factor identifies a probability that the identified contact corresponds to the call ID, and the information comprises at least one of: the minimum number of characters in the call ID used to identify the corresponding contact and the type of at least one data field of the identified contact that is compared to the minimum number of characters of the call ID; and passing the call-related contact information and the ambiguity weight factor for each identified contact to a user display on a mobile device." Applicants therefore submit that Claim 1, as amended, is proposed to be allowable and notice to that effect is solicited.

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Claims 13 and 20 include substantially the same limitations discussed above in regard to independent Claim 1. As stated above, Claim 1 is proposed to be allowable. Therefore, independent Claims 13 and 20 are proposed to be allowable for at least the same reasons as independent Claim 1, and notice to that effect is solicited. Furthermore, 2-8, 10-12, 14-18, and 22-24 are dependent on allowable base claims and are therefore allowable for at least the same reasons that Claims 1, 13 and 20 are allowable.

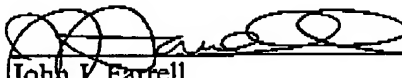
### CONCLUSION

In view of the foregoing remarks, all pending claims are believed to be allowable for at least the reasons stated above and the application is in condition for allowance. Therefore, a Notice of Allowance is respectfully requested. Should the Examiner have any further issues regarding this application, the Examiner is requested to contact the undersigned attorney for Applicants at the telephone number provided below.

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Respectfully submitted,  
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